

Figure 1A

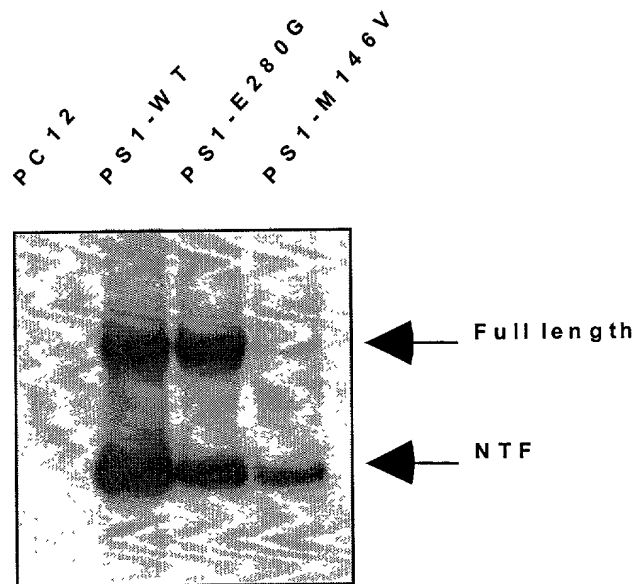


Figure 1B

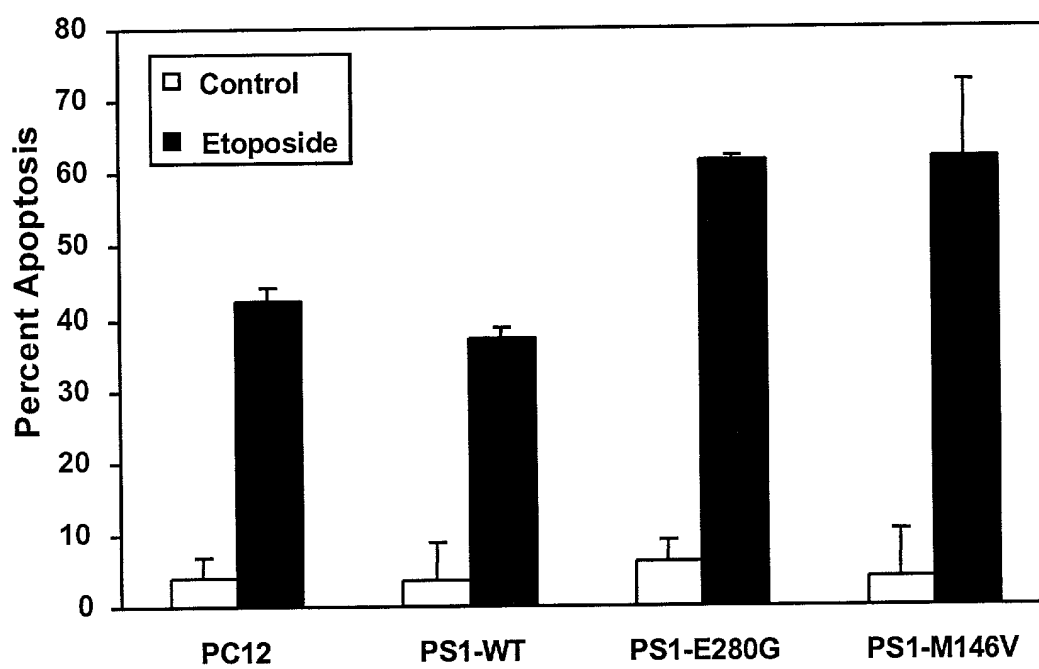


Figure 1C

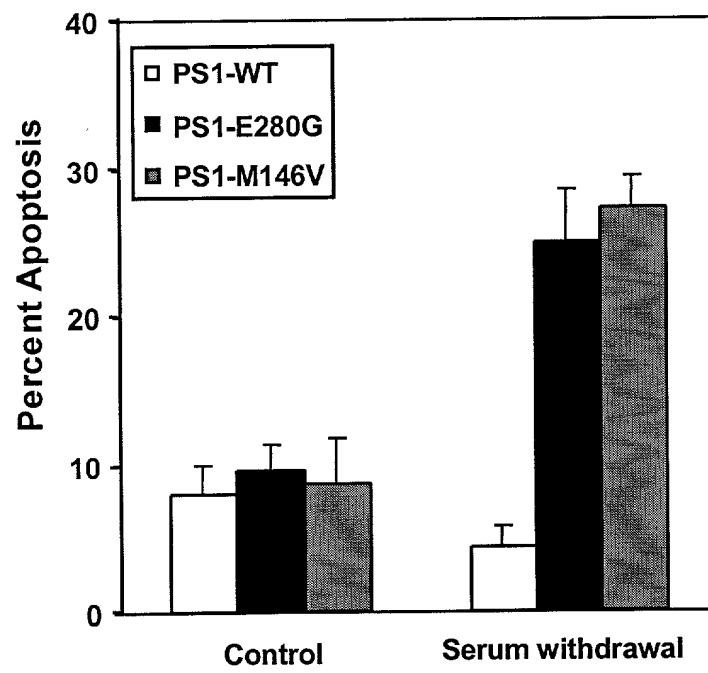


Figure 1D

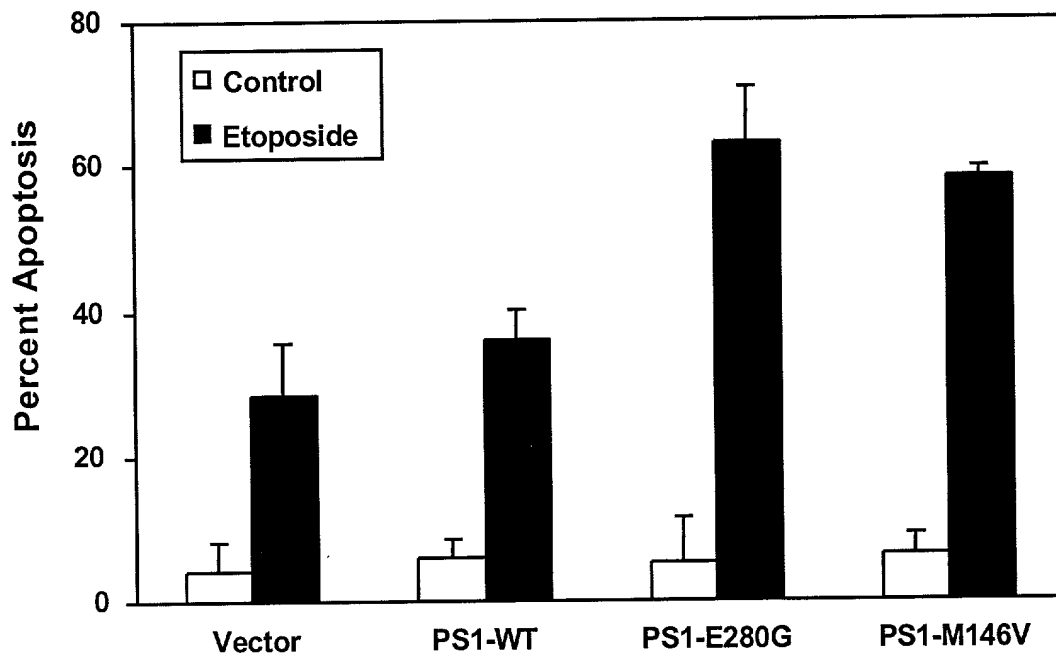


Figure 2A

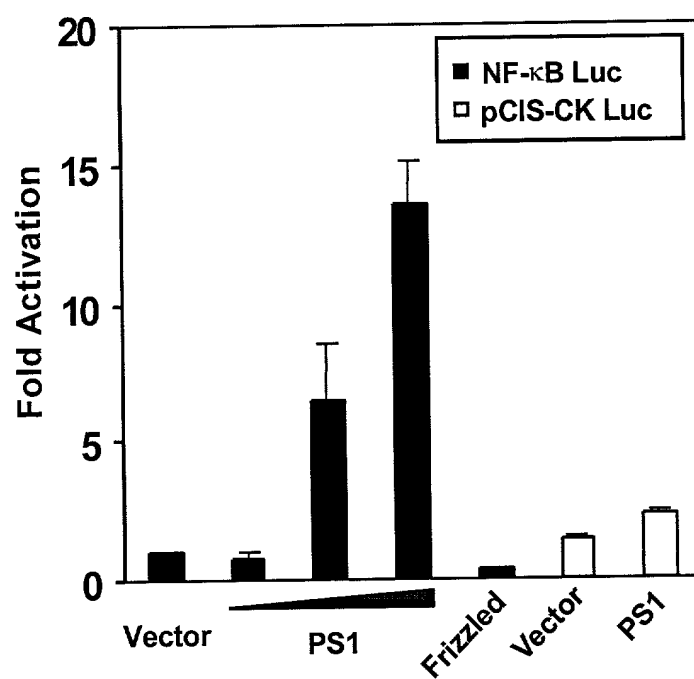


Figure 2B

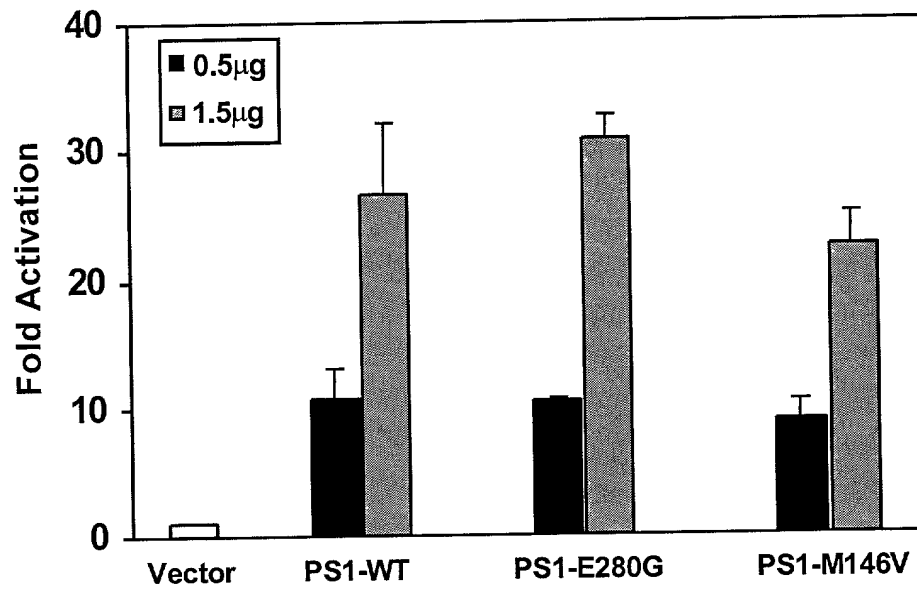


Figure 3A

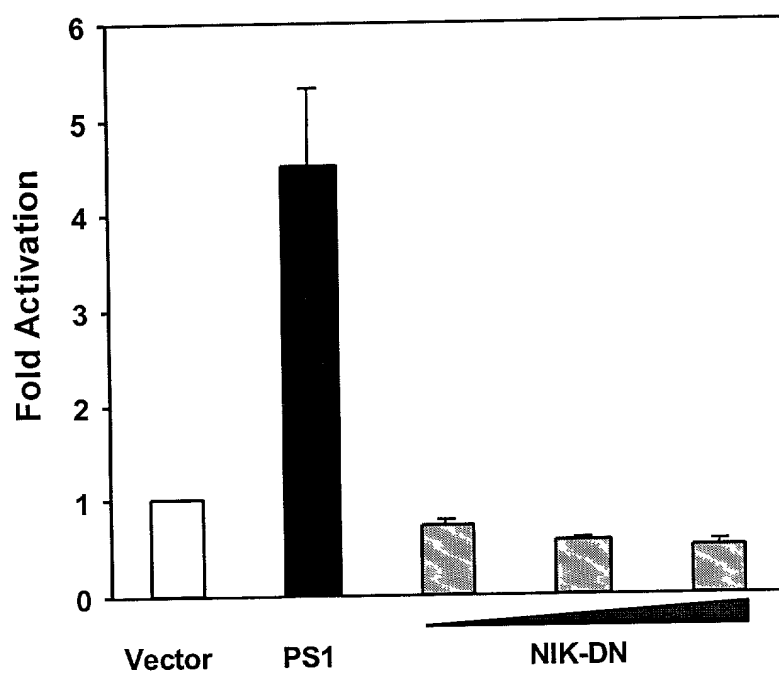


Figure 3B

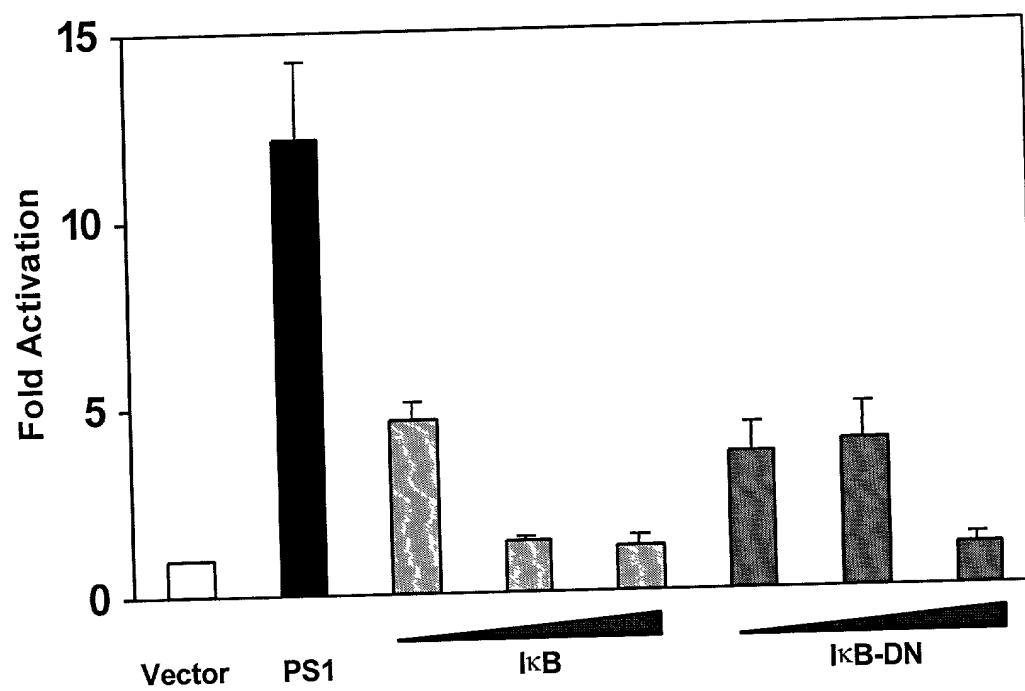


Figure 4A

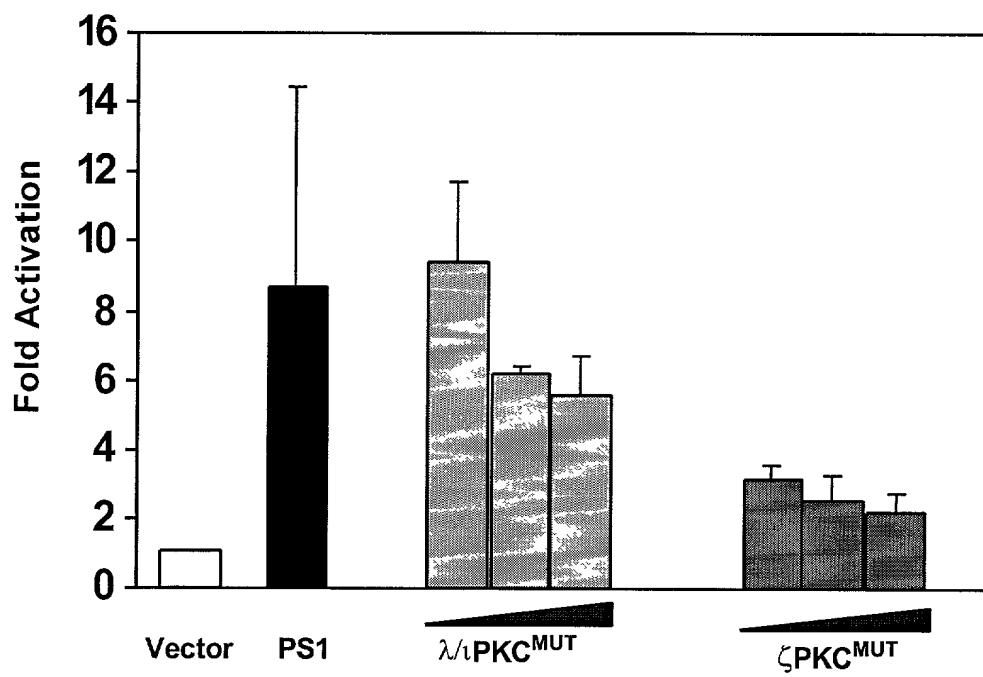


Figure 4B

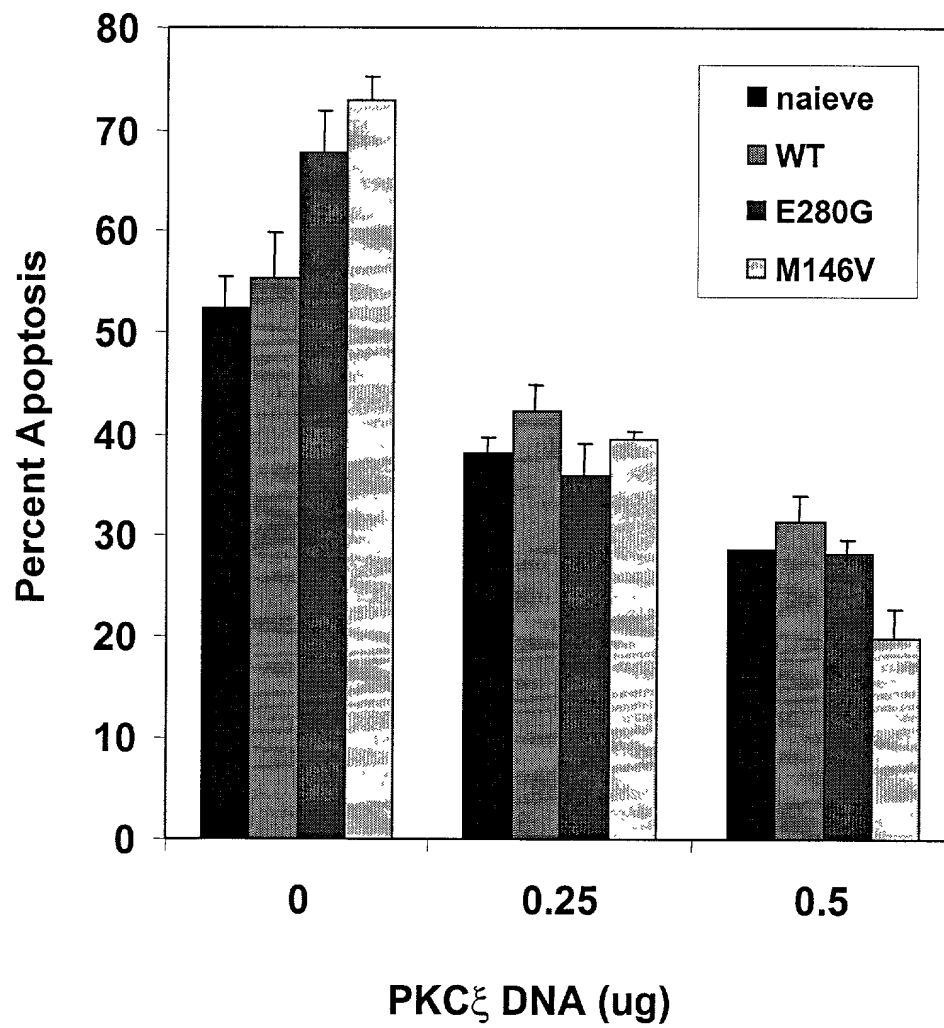


Figure 4C

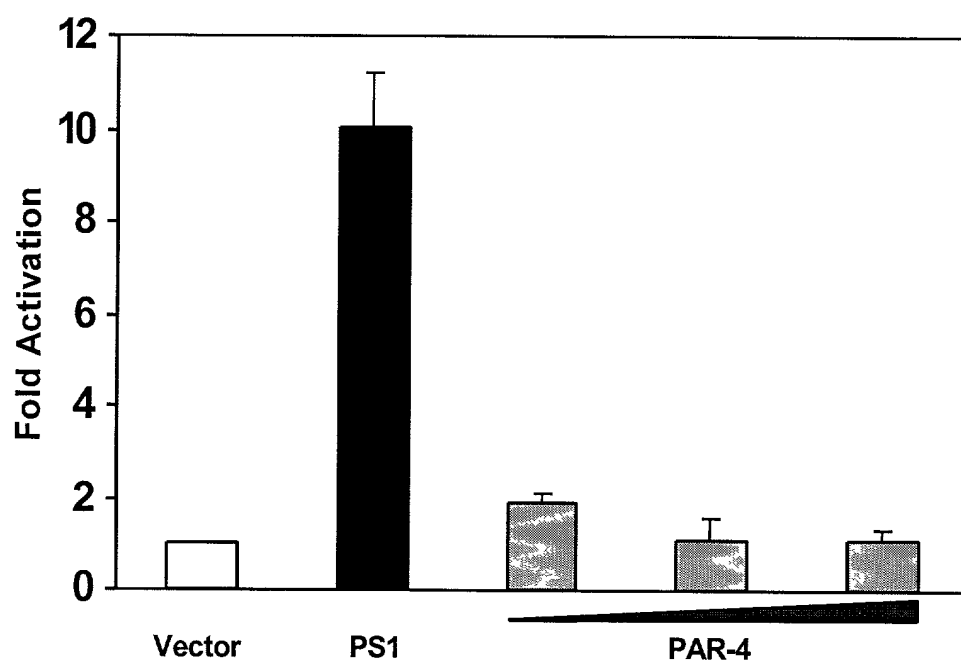


Figure 4D

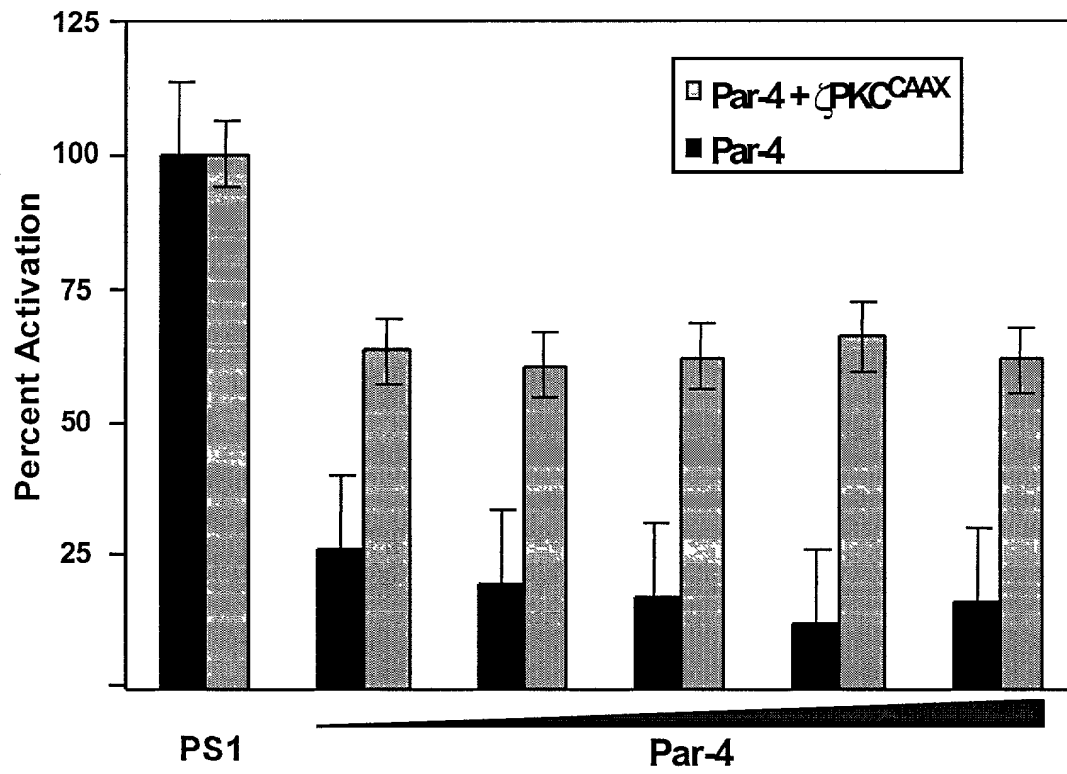


Figure 4E

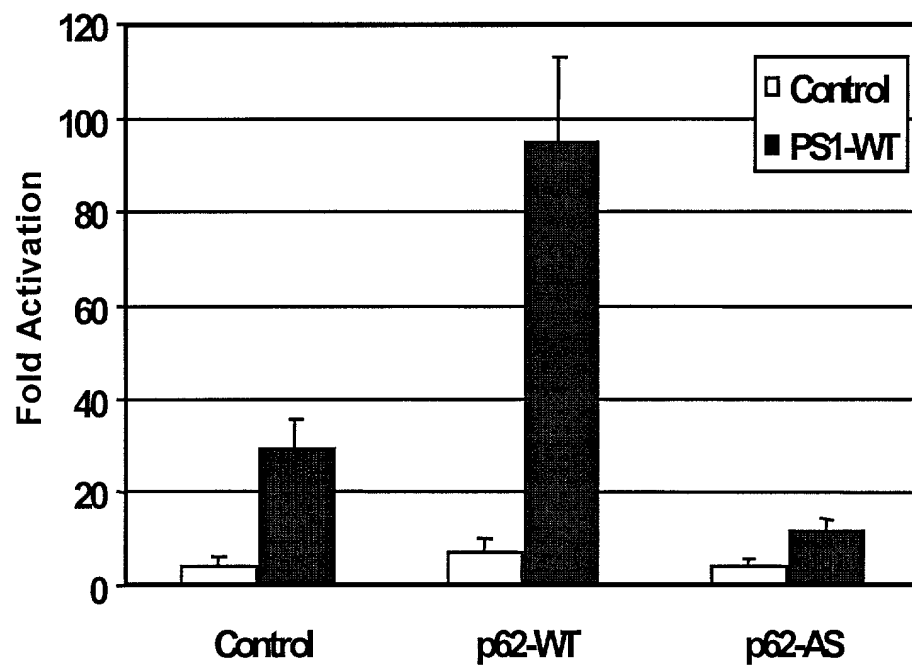


Figure 5A

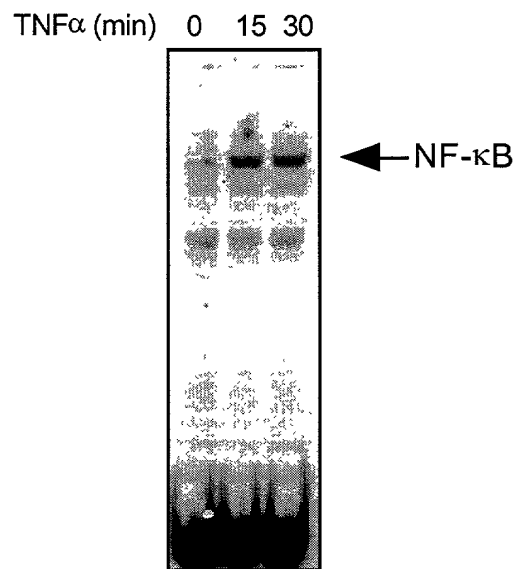
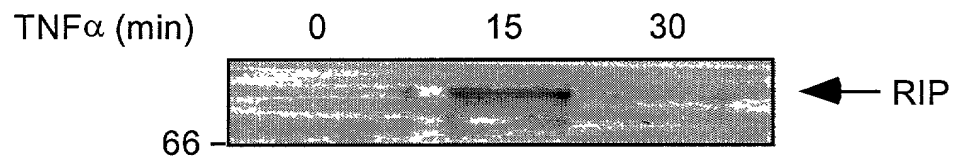


Figure 5B

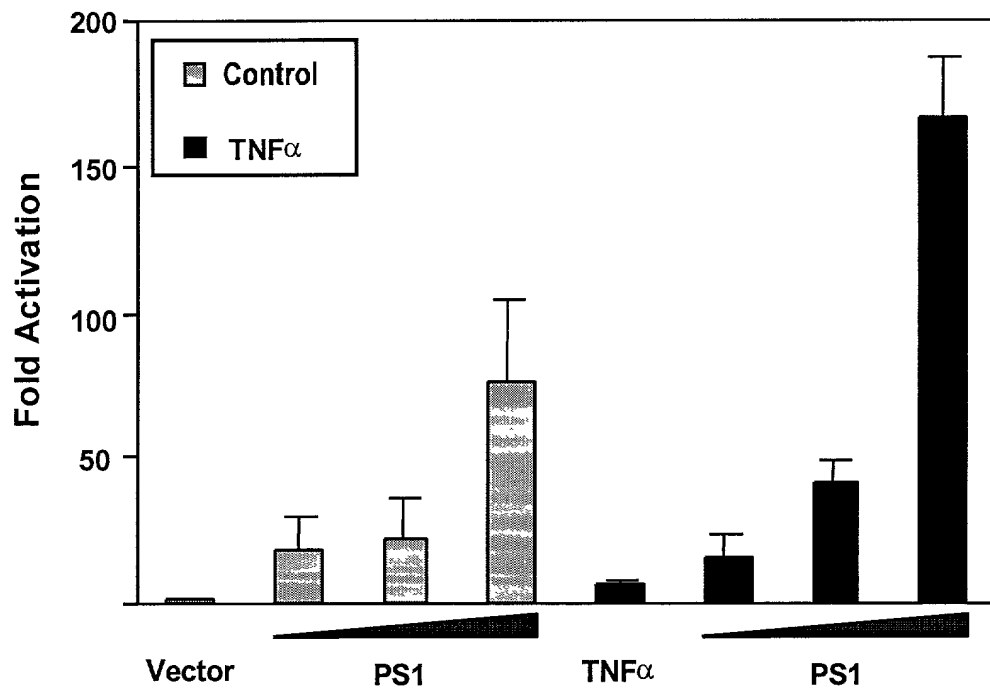


Figure 5C

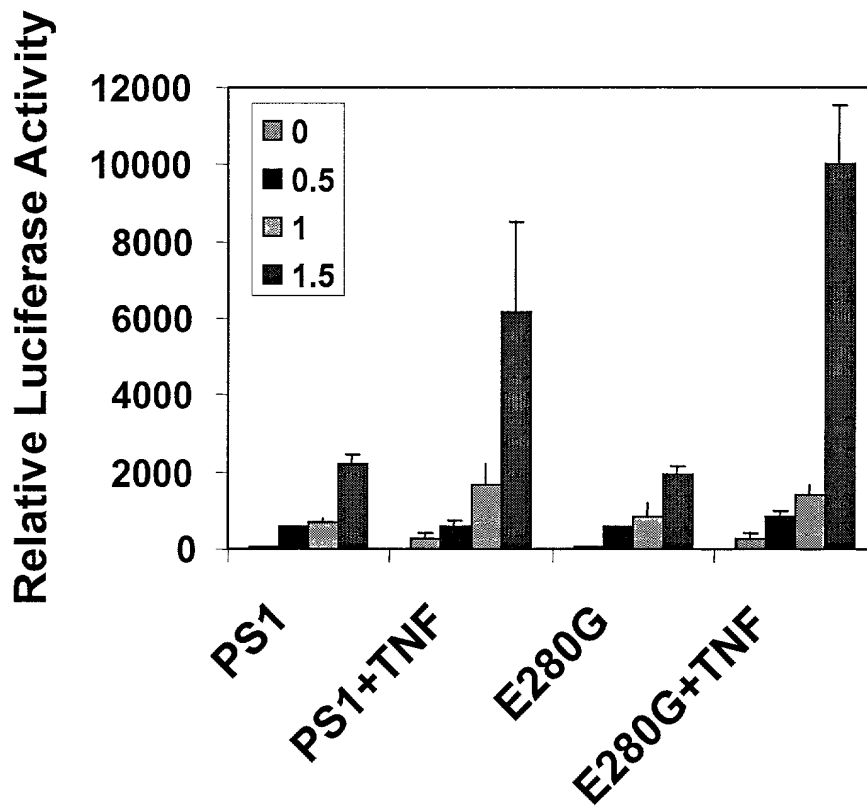


Figure 6A

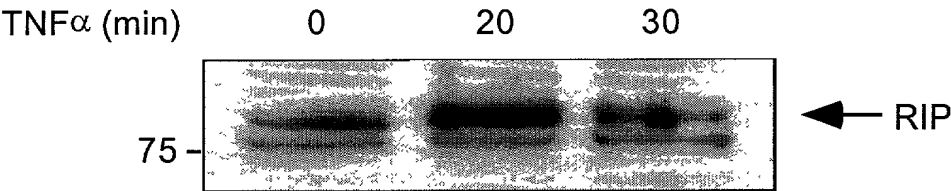


Figure 6B

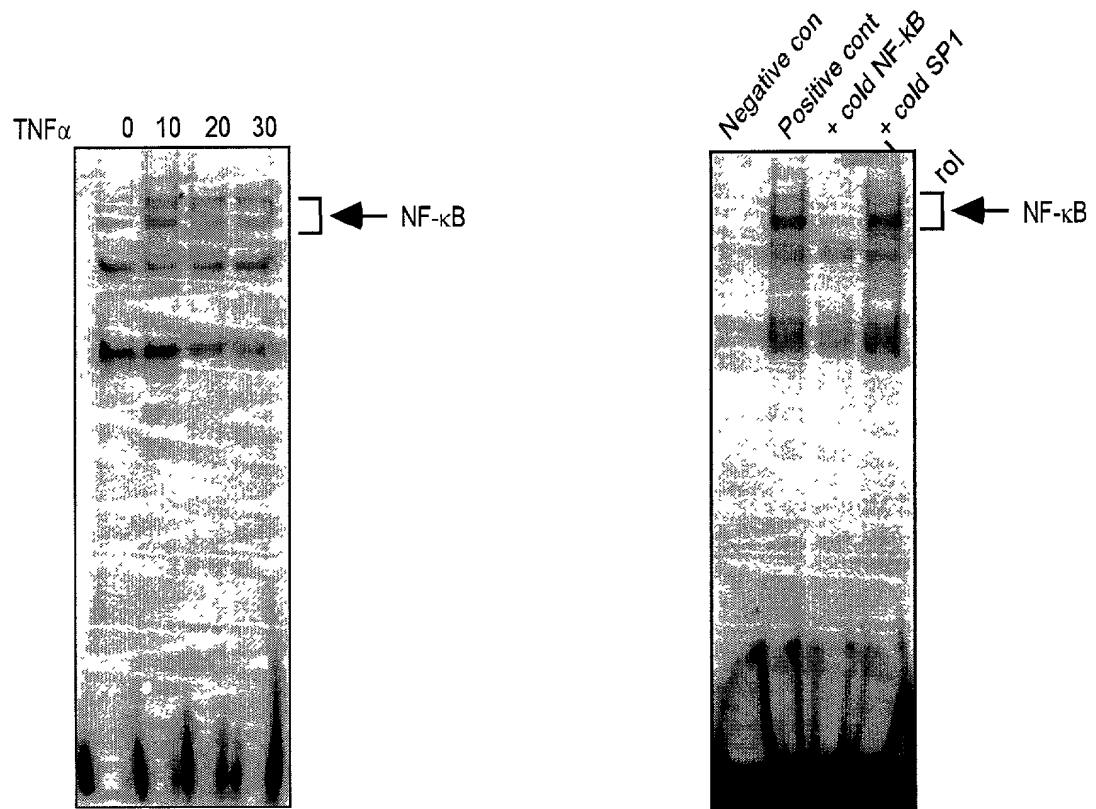


Figure 7A

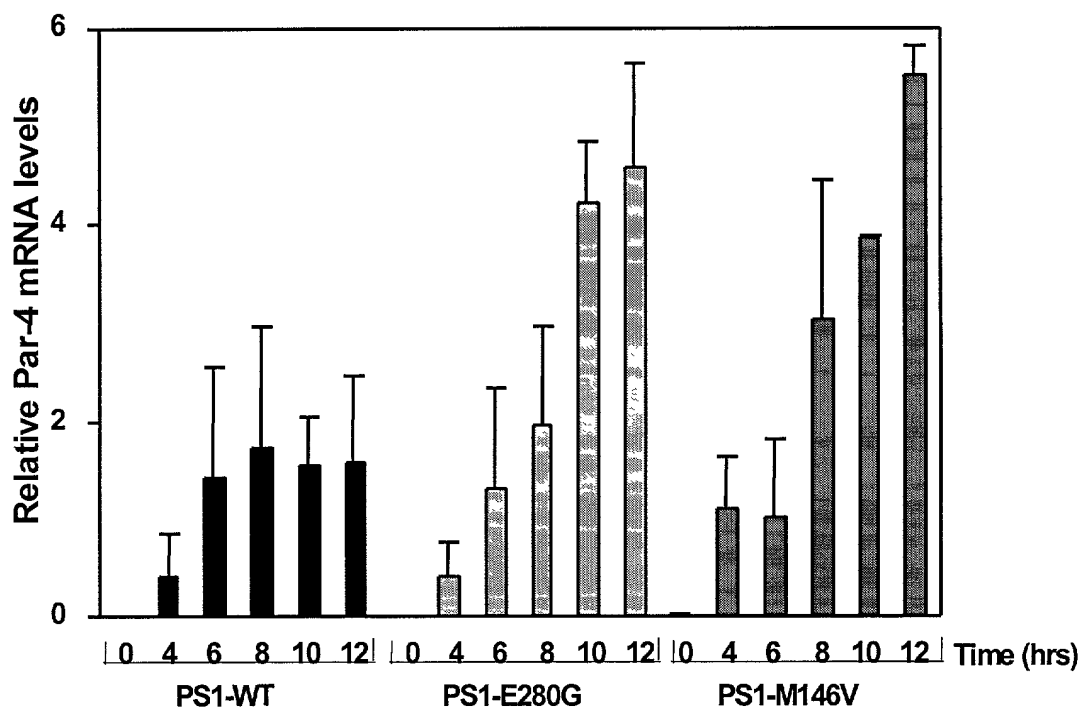


Figure 7B

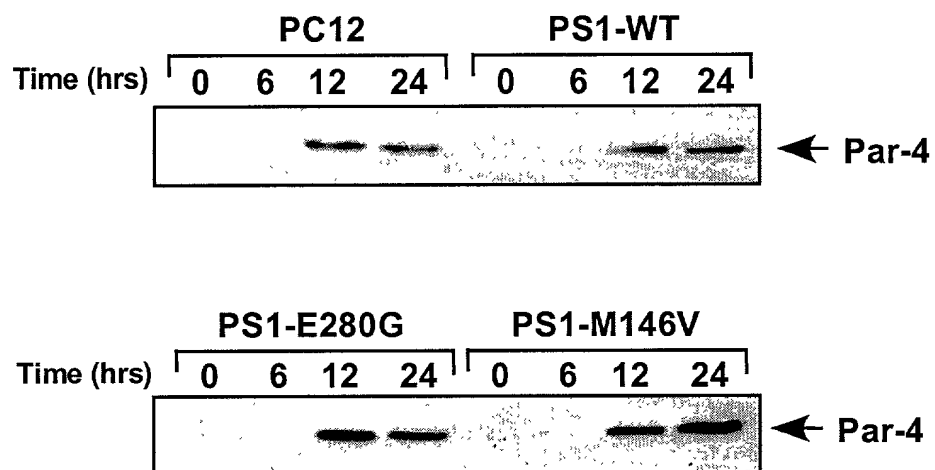


Figure 8

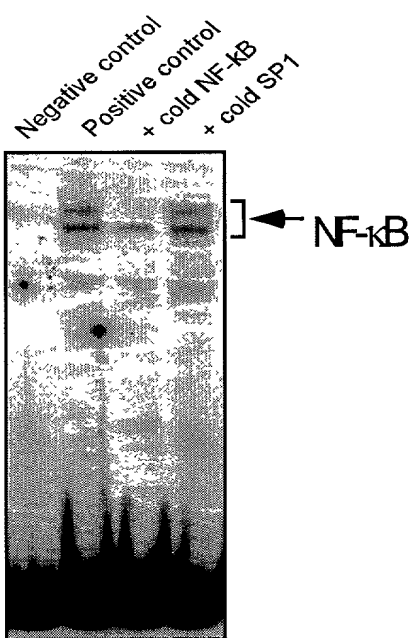
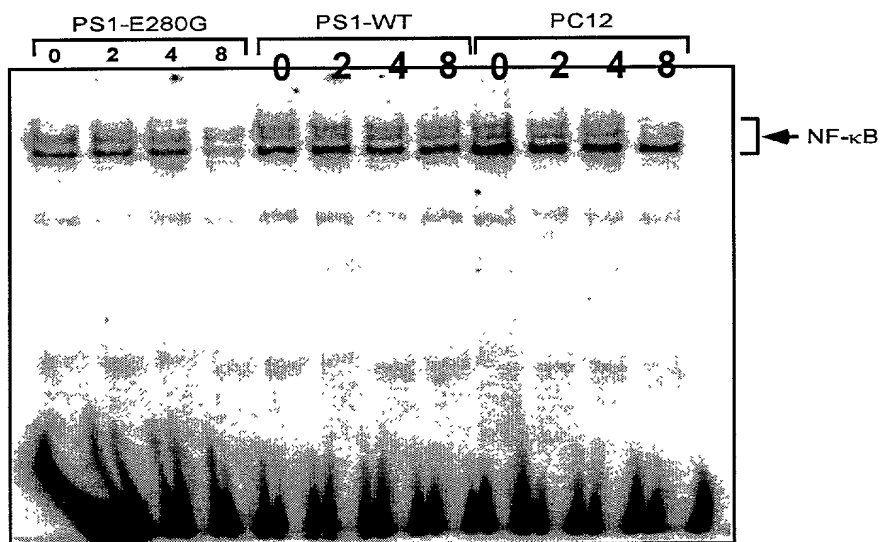


Figure 9A

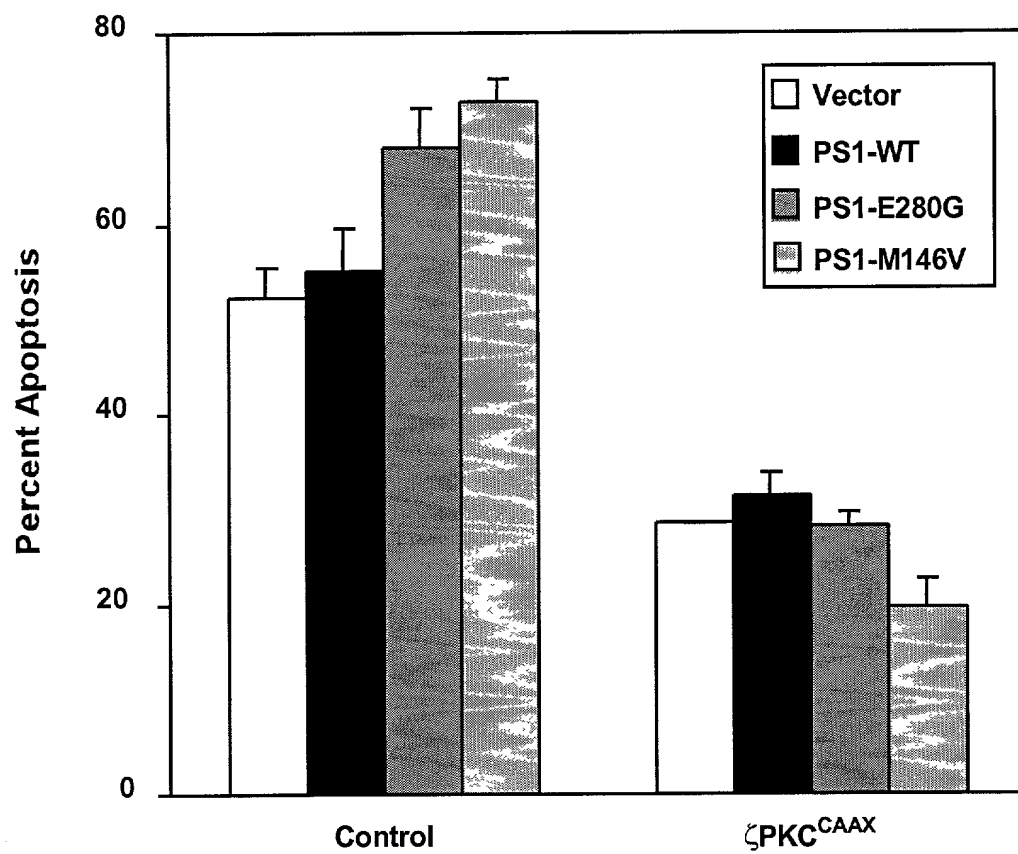


Figure 9B

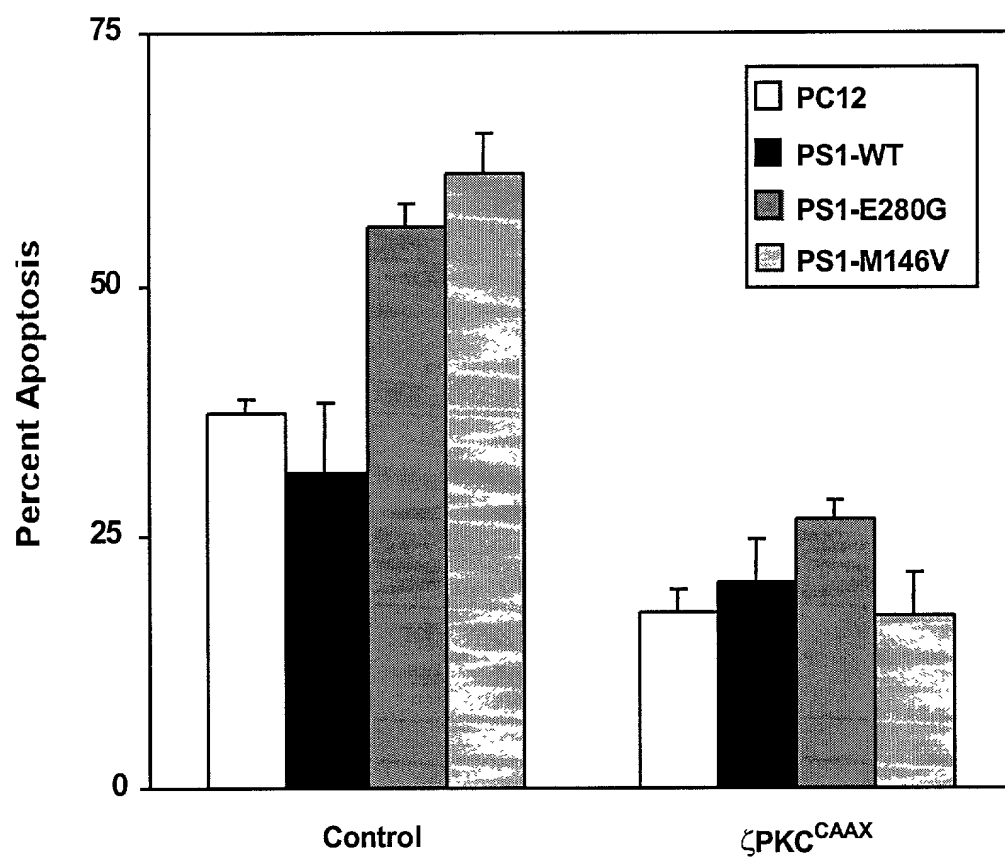


Figure 10

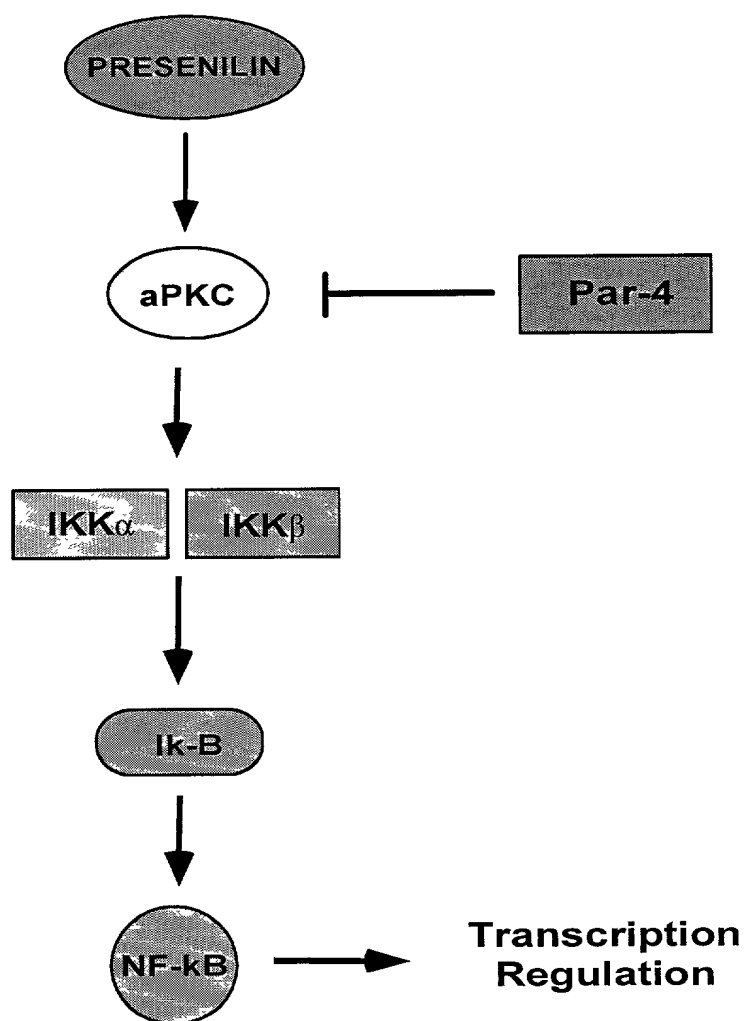


FIGURE 11A

ATGCGCGCCAAGCAGAACCCCCCGGGCCCCGGCCCCCCCCGGGAGGGGGCAGCAGCGACGCCGC
TGGGAAGCCCCCGCGGGGGCTCTGGGCACCCCGGCGGCCGCGCTGCCAACGAGCTCAACA
ACAACCTCCCGGGCGGCGCGCCGGCCGCACCTGCCGTCCCCGGTCCCGGGGGCGTGAAGTGC
GCGGTTCGGCTCCGCCATGCTGACGCGGGCGCCCCCGGCCCGCGGGCCCGCGGCGGTTCGGAGGA
CGAGCCCCCAGCCGCCTCTGCCTCGGCTGCACCGCCGCCCCAGCGTGACGAGGAGGAGCCGG
ACGGCGTCCCAGAGAAGGGCAAGAGCTCGGGCCCCAGTGCCAGGAAAGGCAAGGGGCAGATC
GAGAAGAGGAAGCTGCGGGAGAAGCGGCGCTCCACCGGCGTGGTCAACATCCCTGCCGCAGA
GTGCTTAGATGAGTACGAAGATGATGAAGCAGGGCAGAAAGAGCGGAAACGAGAAGATGCAA
TTACACAACAGAACACTATTCAGAATGAAGCTGTAACTTACTAGATCCAGGCAGTTCCTAT
CTGCTACAGGAGCCACCTAGAACAGTTTCAGGCAGATATAAAAGCACACCAGTGTCTCTGA
AGAAGATGTCTCAAGTAGATATTCTCGAACAGATAGAAGTGGGTTCCCTAGATATAACAGGG
ATGCAAATGTTTCAGGTACTCTGGTTTCAAGTAGCACACTGGAAAAGAAAATTGAAGATCTT
GAAAAGGAAGTAGTAACAGAAAGACAAGAAAACCTAAGACTTGTGAGACTGATGCAAGATAA
AGAGGAAATGATTGGAAAACCTCAAAGAAGAAATTGATTTATTAAATAGAGACCTAGATGACA
TAGAAGATGAAAATGAACAGCTAAAGCAGGAAAATAAACTCTTTTGAAAGTTGTGGGTCAG
CTGACCAGGTAG

FIGURE 11B

MATGGYRTSSGGGSTTDWKA KRKMRAKNGAGGGSSDAAGKAGAGTAAAAANNNNGGAAA
AVGGVNCAVGSAMTRAARGRRSDAASASAARDG VKGKSSGSARKGKGRKRKRSTGVVNAAC
DYDDAGKRKRDATNTNAVNDGSSYRTVSGRYKSTTSVSDVSSRYSRTDRSGRYNRDANVSGT
VSSSTKKDKVVTRNRVRMDKMGKKDNRDDDDNKNKTKVVGTRMATGGYRTSSGGGSTTDWKA
KRKMRAKNGAGGGSSDAAGKAGAGTAAAAANNNNGGAAA
AVGGVNCAVGSAMTRAARGRRDAASASAARDG VKGKSSGSARKGKGRKRKR

FIGURE 12A

ATGACAGAGTTACCTGCACCGTTGTCCTACTTCCAGAATGCACAGATGTCTGAG
GACAACCACCTGAGCAATACTGTACGTAGCCAGAATGACAATAGAGAACGGCAG
GAGCACAACGACAGACGGAGCCTTGGCCACCCTGAGCCATTATCTAATGGACGA
CCCCAGGGTAACTCCCGGCAGGTGGTGGAGCAAGATGAGGAAGAAGATGAGGAG
CTGACATTGAAATATGGCGCCAAGCATGTGATCATGCTCTTTGTCCCTGTGACT
CTCTGCATGGTGGTGGTCGTGGCTACCATTAAGTCAGTCAGCTTTTATAACCCGG
AAGGATGGGCAGCTAATCTATAACCCATTACAGAAAGATACCGAGACTGTGGGC
CAGAGAGCCCTGCACTCAATTCTGAATGCTGCCATCATGATCAGTGTCAATTGTT
GTCATGACTATCCTCCTGGTGGTTCTGTATAAATACAGGTGCTATAAGGTCATC
CATGCCTGGCTTATTATATCATCTCTATTGTTGCTGTTCTTTTTTTCATTCATT
TACTTGGGGGAAGTGTTTAAACCTATAACGTTGCTGTGGACTACATTACTGTT
GCACTCCTGATCTGGAATTTTGGTGTGGTGGGAATGATTTCCATTCACTGGAAA
GGTCCACTTCGACTCCAGCAGGCATATCTCATTATGATTAGTGCCCTCATGGCC
CTGGTGTTTATCAAGTACCTCCCTGAATGGACTGCGTGGCTCATCTTGGCTGTG
ATTTCAGTATATGATTTAGTGGCTGTTTTGTGTCCGAAAGGTCCACTTCGTATG
CTGGTTGAAACAGCTCAGGAGAGAAATGAAACGCTTTTTCCAGCTCTCATTTAC
TCCTCAACAATGGTGTGGTGGTGAATATGGCAGAAGGAGACCCGGAAGCTCAA
AGGAGAGTATCCAAAAATTCCAAGTATAATGCAGAAAGCACAGAAAGGGAGTCA
CAAGACACTGTTGCAGAGAATGATGATGGCGGGTTCAGTGAGGAATGGGAAGCC
CAGAGGGACAGTCATCTAGGGCCTCATCGCTCTACACCTGAGTCACGAGCTGCT
GTCCAGGAACTTTCCAGCAGTATCCTCGCTGGTGAAGACCCAGAGGAAAGGGGA
GTAAACTTGGATTGGGAGATTTCATTTTCTACAGTGTTCTGGTTGGTAAAGCC
TCAGCAACAGCCAGTGGAGACTGGAACACAACCATAGCCTGTTTCGTAGCCATA
TTAATTGGTTTGTGCCTTACATTATTACTCCTTGCCATTTTCAAGAAAGCATTG
CCAGCTCTTCCAATCTCCATCACCTTTGGGCTTGTTTTCTACTTTGCCACAGAT
TATCTTGTACAGCCTTTTATGGACCAATTAGCATTCCATCAATTTTATATCTAG

FIGURE 12B

MTelpAPLSYFQNAQMSedNHLSNTVRSQNDNRERQEHNDRRSLGHPEPLSNGRPQGNSRQV
VEQDEEEDeELTLKYGAKHVIMLFVPVTLcMVVVVATIKSVsfYTRKDGQLIYTPFTEDTET
VGQRALHSILNAAIMISVIVMTILLVVLYKYRCYKVIHAWLISSLLLLFFFSFIYLGEVF
KTYNVAVDYITVALLIWNFGVVGMIshWKGPLRLQQAYLIMISALMALVFIKYLPEWTAWL
ILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYsSTMVWLVNMAEGDPEAQRRVS
KNSKYNAESTERESQDTVAENDDGGFSEEWEAQRDSHLGPHRSTPESRAAVQELSSSILAGE
DPEERGvKLGLGDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCLTLLLLAIFFKKALPA
LPISITFGLVFYFATDYLvQPfMDQLAFHQFYI

FIGURE 13A

ATGCTCACATTTCATGGCCTCTGACAGCGAGGAAGAAGTGTGTGATGAGCGGACGTCCCTAAT
GTCGGCCGAGAGCCCCACGCCGCGCTCCTGCCAGGAGGGCAGGCAGGGCCCAGAGGATGGAG
AGAACACTGCCCAGTGGAGAAGCCAGGAGAACGAGGAGGACGGTGAGGAGGACCCTGACCGC
TATGTCTGTAGTGGGGTTCCCGGGCGGCCGCCAGGCCTGGAGGAAGAGCTGACCCTCAAATA
CGGAGCGAAGCACGTGATCATGCTGTTTGTGCCTGTCACTCTGTGCATGATCGTGGTGGTAG
CCACCATCAAGTCTGTGCGCTTCTACACAGAGAAGAATGGACAGCTCATCTACACGACATTC
ACTGAGGACACACCCTCGGTGGGCCAGCGCCTCCTCAACTCCGTGCTGAACACCCTCATCAT
GATCAGCGTCATCGTGGTTATGACCATCTTCTTGGTGGTGCTCTACAAGTACCGCTGCTACA
AGTTCATCCATGGCTGGTTGATCATGTCTTCACTGATGCTGCTGTTCCCTCTTCACCTATATC
TACCTTGGGGAAGTGCTCAAGACCTACAATGTGGCCATGGACTACCCACCCCTCTTGCTGAC
TGTCTGGAACCTTCGGGGCAGTGGGCATGGTGTGCATCCACTGGAAGGGCCCTCTGGTGTGCTGC
AGCAGGCCTACCTCATCATGATCAGTGCGCTCATGGCCCTAGTGTTTCATCAAGTACCTCCCA
GAGTGGTCCGCGTGGGTTCATCCTGGGCGCCATCTCTGTGTATGATCTCGTGGCTGTGCTGTG
TCCCAAAGGGCCTCTGAGAATGCTGGTAGAACTGCCCAGGAGAGAAATGAGCCCATATTCC
CTGCCCTGATATACTCATCTGCCATGGTGTGGACGGTTGGCATGGCGAAGCTGGACCCCTCC
TCTCAGGGTGCCCTCCAGCTCCCCTACGACCCGGAGATGGAAGAAGACTCCTATGACAGTTT
TGGGGAGCCTTCATAACCCGAAGTCTTTGAGCCTCCCTTGACTGGCTACCCAGGGGAGGGCT
GGAGGAAGAGGAGGAAAGGGGCGTGAAGCTTGGCCTCGGGGACTTCATCTTCTACAGTGTGC
TGGTGGGCAAGGCGGCTGCCACGGGCAGCGGGGACTGGAATACCACGCTGGCCTGCTTCGTG
GCCATCCTCATTGGCTTGTGTCTGACCCTCCTGCTGCTTGCTGTGTTCAAGAAGGCGCTGCC
CGCCCTCCCCATCTCCATCACGTTTCGGGCTCATCTTTTACTTCTCCACGGACAACCTGGTGC
GGCCGTTTCATGGACACCCTGGCCTCCCATCAGCTCTACATCTGA

FIGURE 13B

MLTFM ASDSEEEVCDERTSLMSAESPTPRSCQEGRQGPEDGENTAQWRSQENEEDGEEDPDR
YVCSGVPGRPPGLEEELTLKYGAKHVIMLFVPVTLCMIVVVATIKSVRFYTEKNGQLIYTTF
TEDTPSVGQRLLNSVLNTLIMISVIVVMTIFLVVLYKYRCYKFHGWLMSSLMMLLFLEYI
YLGEVLKTYNVAMDYPTLLLTVWNFGAVGMVCIHWKGPLVLQQAYLIMISALMALVFIKYL
EWSAWVILGAISVYDLVAVLCPKGPLRMLVETAQERNEPIFPALIYSSAMVWTVGMAKLDPS
SQGALQLPYDPEMEEDSYDSFGEPSYPEVFEPPLTGYPGEELEEEERGVKLGLGDFIFYSV
LVGKAAATGSGDWNTTLACFVAILIGLCLTLLLLAVFKKALPALPISITFGLIFYFSTDNLV
RPFMDTLASHQLYI

FIGURE 14

GAATTCGGCACGAGGGGCGCCGCTCGGCTCCCTTCCCGCCCCCTGGCTCCCTCCCTCCCTCCCTC
CCTCCTTCTTCTCCCTCCCTCCTGTCCTGGGATTGCCTGGAGCTCCGCACCGCGAGTTTGCCGC
GGCACTTTCCGCGCGGCGGAAGAGCGCGCGCCAGCTTCGGCACACCTGGGAGCCGGATCCCAGC
CCTACGCCTCGTCCCCTACAAGCTCCTCCAAGCCCCGCCGGCTGCTGTGGGAGCGGCGGCCGTC
CCTCTCCTGGAGGTCGTCTCCTGGCATCCTCGGGGCCGCAGGAAGGAAGAGGAGGCAGCGGCCG
GAGCCCTGGTGGGCGGCCTGAGGTGAGAGCCCGACCGGCCCTTTGGGAAT

FIGURE 15

GAATTCAGAAAGGCAGGAACAGAGAAAGTAGAAGGAAAGTCTTATAAAAGAAAAGAGAATAGGCC
 AGGCACGGTGGCTCACGCCTCTAATCCCAGCATTTTGGGAGGCTGAGGCAGGTGGATCATGAGG
 TCAGGAGTTCAAGACCAACCTGACCAACATGGTGAAGCCCCGTCTCTACTAAAAATACAAAAAT
 TAACCAGGCGTGTGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAA
 CCCGAAAGGTGAAGGTTGCTGTGAGCCTAGATCAGGCCACTGCACTCTGACCTGGGCGACAGAG
 CGAGACTCCATGTCAAAGAAAAAGAAAGAGGATAAGAAAATTTCTAACTGGAAGGCAGATAGC
 TGATTAAGAGGTCCACTGACTGCATAACATAATAATGATAAAAGACCAAATCAGAGCATATCT
 TCAAGATATTTTCAAGAGGATCTAAGTAAGAAGATCCAAAAATTTTGAGACAGAAAATACAATGCA
 ATCAGAATGCCACTGGTCTTCTAAACAGCAACTCTGGAACTAGATGATAATAAAGCAATGCCT
 TCAAAATTATGAAGGAAAATGCTTTCTAACCTAGAGTTCTATGCTCCACCAAATTAATCAAA
 GTATGAAGATAAATTTAAACATTTTCCAATATGCAAGGTCTCTAAGAATGAGTTATACTATCT
 TCAGAATATACTGAGGATATACTCTGCTAAAATGAAGGGGAGAAACAAAAAGAGAAAAGTATGC
 AATTCAGGAAACAAGAAGTCTACAGAGAAAATGATTCTCAAGGTGTTAGAGGAGCATAATCCCA
 GGATGACCACAAGCAACGAGCCTTAAATCAGTCCAGATTAGGCCAGGTGCGGTGGCTCACACC
 TGTAATCCCAGCACTTTGGGAGGCCAAAGCAGGCTGGTTGCCTGAGCTCAGAAAGTTCGAGACCA
 GTCTGGGCAACATGGTGAAACCCCCGTCTCTACTAAAATACAAAAAATTAGCTGGGCGTGGTGG
 CATGTGCCTGTATTCCCAGCTACTCTGGAGGCTGATGCAGGAGAATTGCTTGAACCCAGGAGGC
 GGAGGTTGCAGTGAGCCAAGACTGCGCCACTGCACTACAGCCTCACCAACAGAGCGAGACTCCG
 TCTCCAAACAAACAAACAAAATCAATCCATATTTAAAGCAGGGGATGGAGGGCTCCAGAACAGAT
 GTTTCCAAAAAGAGAATAGAACTGATAGCTTACCCAATGTGATTAAACGTCATTGAGAGGAGGAA
 AATTTGAGTATATACTTGTGACTGGTATATAAAAAAATAAGCCGATGATTAAAGAAAAAAAAG
 AGGCAAGTTTTAACTGCAGAAAAATGGTAAAGACAAAAGGTATAGTTGTGCAACAAGGAAAAAC
 AGTTGTAAAAAAAAGAAATGCAATCATATACACCACATGACTCAGCTATGAACAGTATTTGTGA
 TAGTCATAATACTACGGGCGTGTAGGAGTATGAAAAGTATATGTGTGGCCGGGCATGGTGGCTC
 ATGCCTGTAATCCCAGAACTTTGGGAGGCCGAGGCGGGTGGATCACGAGGTCAGGAGATCGAGA
 TCATCCTGGCTAACACAGTGAAACCCCCGTCTCTACTAAAAATGCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAATTAGCCGGGCGTGGTGGCAGCCACCTGTAGTCCCAGCTACTCAGGAGGCTGAGGCAG
 GAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAG
 CCTGGGAGACAGAGCGAGACTCCATCTCAAAAAAAAAAGAAAAAAAAAGAAAAAGAAAAAGAAAA
 GTATATGTGTTATTAGTGTATTAGAGCTAAATCCTCTTCTATATCTAAAAATGGAAAAATCAAG
 ATGTACAATAGCAGATATGCACATAAAAAATAAATATGAAGATCTCTATTAATGGAACCAAGTTA
 AAAAGTTCAAAGTTTTGGGTAGGGTTTTTCAAGATGGATAAGGTAGAGAGGGGATTGCTGTTTTT
 TGTTATAATCCTTGTAGAACTAAAGTATGTAATTTTTTTTATCCTATGCACATATAATTTTTGA
 TGTTAGAGGATGAATTGCATATGTTCCAGAAATACCTGCATTGAAGGCAAAATGGCTACTTCCC
 AATACACTAGCTATCCATACATATAATAATACACTTCCTCAAATCATTAAGACTAACATCTAG
 GTTTCACCTGACATATTTAAATGAATCTGTTTTTGTGAGCATTATCATCATATTTTCATTTTAT
 TATTAAGGGCAAGTGAGTCGCTAAAAATTGGTTATTTTAGGCTAACTCAGAGGTGCTCAACCGG
 GGAAGAATTTTATCCCAGGGACCATGTGGCAATGTCACAATACAGGTGGGGGTTTCTTATTGGT
 ATCTAATAGGTAGAAGCCAACGATGCTGCTAAACAACCTACAATGGGCAGGACAGCAAAGAATT
 ATCCAGCCCCAAATGTAACAGTGCTGAGGTTGAGAAACCAAGCTCCAAGTCTTTGAGGATTATT
 TCATCAGAACGCTATACATAAAGATTGATGATATGCAAACATCTTGCAATTTAGGACTGACTCA
 GCTAAATACCTCGGTGCAATGTTGGAAGCAGTCTGGCTGTGAAATATATCTTCGGGAATATTGA
 GAATGGTAAAGACAAAAGGTATAATAAATGATAATAATAACAAAACACAGAGCTTTGTACCTCA
 ATAATCTCTTTCATCCATGGTTCCTAGGGCACTTTATAGACTAATAATACCTACTCTGGTACTC
 ACATACCACCTTTTATCTAAGGACTGCAGGCACTTTCACAACACTCTCACGATGCAGGAAGTAT
 TATTATCCCCATTTTATATGTAAGTAAACAGAGGCACAAAAGTTAAGCAACTTGCCCAAAGCCA

[illegible]